

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CH2004/000039

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K7/00 C11D3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 174 111 A (KAO CORP) 23 January 2002 (2002-01-23) examples 1-4; table 1	1-13
X	EP 1 166 769 A (TAKASAGO PERFUMERY CO LTD) 2 January 2002 (2002-01-02) examples 5,7,11	1-13
X	WO 01/78657 A (SQUIBB BRISTOL MYERS CO) 25 October 2001 (2001-10-25) examples 1,3,4	1-13
X	US 2001/047039 A1 (MCMANUS RICHARD L ET AL) 29 November 2001 (2001-11-29) example 1	1-13

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search

14 May 2004

Date of mailing of the international search report

26/05/2004

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1 (part), 5(part), 9(part), 10(part)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1 (part), 5(part), 9(part), 10(part)

Present claims 1-13 relate to an extremely large number of possible compositions and uses thereof.

The term "reinforcing material" comprises so many options, variables and possible permutations that a lack of clarity within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Moreover, the reinforcing material of claim 2 does not lead to a clearer and conciser definition.

Present claims 3, 5, 9, 10 and 11 relate to a composition defined (inter alia) by reference to the following parameter(s):

P1: Bloom strength

P2: Abbelohde solution viscosity

P3: Store elastic modulus

P4: Periodicity length of liquid crystalline phase

P5: Melting transition temperature

The use of these parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. It is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible.

Consequently, the search has been restricted to:

Claim 1 (part), 2, 3, 4, 5(part), 6-8, 9(part), 10 (part), 12-13

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1174111	A	23-01-2002	JP 2002029937 A	29-01-2002
			CN 1334073 A	06-02-2002
			EP 1174111 A2	23-01-2002
			US 2003147839 A1	07-08-2003
			US 2002025302 A1	28-02-2002
EP 1166769	A	02-01-2002	JP 2001348320 A	18-12-2001
			EP 1166769 A1	02-01-2002
			US 2002012649 A1	31-01-2002
WO 0178657	A	25-10-2001	AU 5005701 A	30-10-2001
			WO 0178657 A1	25-10-2001
			US 2001047039 A1	29-11-2001
US 2001047039	A1	29-11-2001	AU 5005701 A	30-10-2001
			WO 0178657 A1	25-10-2001